Please enter amendment 12-27-07 MB

IN THE CLAIMS:

1 (currently amended): A method to remotely control the electrical pulses supplied to a nerve tissue by an implantable[ed] neurostimulator, using a mobile device capable of communicating and exchanging data over a wide area network, comprising the steps of:

providing an implantable neurostimulator comprising circuitry, at least one lead adapted to be in contact with nerve tissue, and coil for communication; wherein said implantable neurostimulator comprises an implantable pulse generator module and a stimulus-receiver module that receives external stimulus signals and is capable of applying said electrical pulses independently of said pulse generator module;

providing an external interface means for networking over a wide area network to exchange data, and in communication with said implantable neurostimulator;

providing software applications means to said mobile device to communicate and exchange said data;

establishing a communication connection between said mobile device and said implantable neurostimulator via said external interface; wherein said communication may be initiated by a physician or a patient;

interrogating said implantable neurostimulator;

transmitting new programming information or data related to neurostimulation programs; and

updating said transmitted information on said mobile device or on a remote computer using said mobile device,

whereby said remote mobile device controls said implantable neurostimulator.

2 (previously presented): The method of claim 1, wherein said external interface further comprises an external stimulator inductively coupled to the said implanted stimulator.